

EVALUATION REPORT

Arco Facility #6136
1200 Geneva Ave
San Francisco, CA 94112
GDF#8327
Application #14609

BACKGROUND

Fiedler Group, on behalf of Arco Facility #6136, submitted this application to increase the throughput limit at G#8327. The facility is equipped with Phase I OPW EVR, Phase II Balance system, 8 triple product gasoline nozzles, and two underground gasoline tanks (one 20,000 gallon tank and one 12,000 gallon tank). No hardware modification has been proposed at this time. The baseline for this station is 1.9 million gallons per year established under A/N 23399.

A risk screen performed for this application indicates that an increase of 2.76 million gallons per year throughput is acceptable under the District's Risk Management Policy and complies with District Regulation 2 Rule 5 Section 302. Accordingly, this station will now be conditioned to the maximum allowable throughput limit of 4.66 million gallons per year pursuant to condition #14119.

This station is within 1,000 feet of Epiphany Elementary School and Living Hope Christian School triggering the Public Notice requirements of the Waters Bill. There are no other schools within ¼ mile of this station.

Before the throughput increase can be approved, a 30-day public comment period will be held. Notice describing the project and announcing the public comment period will be mailed to the parents of students attending the above school and people living within 1,000 feet of the station. The cost of preparing and distributing this notice will be borne by the applicant.

EMISSION CALCULATIONS

Emission factors are taken from Scott Owen's July 7, 2006 memorandum. Emissions of Precursor Organic Compound (POC) include emissions from loading, breathing, refueling and spillage. The annual gasoline throughput increase of 2.76 million gallons per year is based on the results of the Air Toxics Risk Screening.

$$\begin{aligned}\text{Emissions increase: } & (2.76 \text{ million gal/yr})(0.75 \text{ lb/1000 gal}) = 2070 \text{ lb/yr} \\ & = 5.67 \text{ lb/day} \\ & = 1.04 \text{ TPY}\end{aligned}$$

$$\begin{aligned}\text{Benzene emissions increase: } & (2.76 \text{ million gal/yr})(4.49 \text{ lbs Benzene/million gallons}) \\ & = 12.39 \text{ lb/yr} \\ & = 0.034 \text{ lb/day} \\ & = 0.006 \text{ TPY}\end{aligned}$$

NEW SOURCE REVIEW

This station will emit less than 10# of VOC in a single day. Thus the BACT requirement of Regulation 2-2-301 is not triggered.

BACT for GDFs is considered the use of CARB-certified Phase-I and Phase-II vapor recovery equipment. State law prohibits the District from requiring vapor recovery equipment that is not CARB-certified. This facility will comply with this requirement.

Emissions from this station will remain less than 10 tpy. Per Regulation 2-2-302, offsets are not required.

TBACT

The increased risk from this project exceeds 1 per million, triggering the use of TBACT equipment per Regulation 2-5-301. TBACT for GDFs is considered the use of CARB-certified Phase-I and Phase-II vapor recovery equipment. State law prohibits the District from requiring vapor recovery equipment that is not CARB-certified. This facility will comply with this requirement.

COMPLIANCE

A. Permits – General Requirements, Regulation 2, Rule 1

1. **California Environmental Quality ACT (CEQA), Regulation 2-1-311:** This project is considered to be ministerial under Regulation 2-1-311 and therefore is not subject to CEQA review. The engineering review for this project requires only the application of standard permit conditions and standard emission factors in accordance with Permit Handbook Chapter 2.3 and therefore is not discretionary as defined by CEQA.
2. **Public Notice, Schools, Regulation 2-1-412:** The facility is located within 1000 feet of the outer boundary of St. Justin School. It is therefore subject to the public notification requirements of Regulation 2-1-412. A public notice will be sent to all parents of students of the above-mentioned school and all residents within 1000 feet of the facility. There will be a 30-day public comment period.

B. Permits – New Source Review, Regulation 2, Rule 2

1. **Best Available Control Technology (BACT), Regulation 2-2-301:** BACT is triggered because the facility will emit more than 10 lbs of VOC per single day.
2. **Offsets, Regulation 2-2-302:** Because the total facility emissions will not be more than 10 tons per year, the facility is not required to provide offsets.

C. Permits – New Source Review of Toxic Air Contaminants, Regulation 2, Rule 5

1. **Best Available Control Technology for Toxics (TBACT), Regulation 2-5-301:** TBACT is triggered since the increased cancer risk from this project exceeds 1 per million. The facility complies with TBACT for GDFs.
2. **Project Risk Requirement, Regulation 2-5-302:** The increased cancer risk does not exceed 10 in one million, the chronic and acute hazard indexes do not exceed 1, and therefore the project complies with the project risk requirement.

D. **Fees – Regulation 3**

All applicable fees have been paid.

E. **Gasoline Dispensing Facilities, Regulation 8, Rule 7**

The facility shall comply with Regulation 8-7-301 and 302 (Phase I and Phase II) and CARB Executive Orders VR-102F and G-70-17AD, and G-70-52AM.

RECOMMENDATION

I recommend that an amended Permit to Operate be issued to Arco Facility #6136 reflecting the above throughput increase.

By: _____

Duncan Campbell
AQ Permit Technician

Date: _____

8/09/06